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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/521,629	09/30/2005	Katja Berg-Schultz	K2315USWO (C038435)	2024	
7590 08/07/2007 Stephen M Haracz Bryan Cave 1290 Avenue of the Americas New York, NY 10104			EXAMINER		
			MATOCHIK, THOMAS L		
			ART UNIT	PAPER NUMBER	
				•	
		•	MAIL DATE	DELIVERY MODE	
			08/07/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•		Application No.	Applicant(s)		
•		10/521,629	BERG-SCHULTZ ET AL.		
	Office Action Summary	Examiner	Art Unit		
	·	Thomas Matochik	1709		
Period fo	The MAILING DATE of this communication app	pears on the cover sheet with the c	orrespondence address		
A SH WHIC - Exte after - If NC - Failu Any	IORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES OF SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period ware to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
1)⊠	Responsive to communication(s) filed on 30 Se	eptember 2005.			
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.		
Disposit	ion of Claims				
5) 6) 7)	Claim(s) 1-11 and 13-14 is/are pending in the at 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-11,13 and 14 are subject to restriction	vn from consideration.			
Applicat	ion Papers				
9)[The specification is objected to by the Examine	r.			
10)	The drawing(s) filed on is/are: a) acce	epted or b) objected to by the I	Examiner.		
•	Applicant may not request that any objection to the		· ·		
11)[Replacement drawing sheet(s) including the correction. The oath or declaration is objected to by the Ex		· •		
Priority (under 35 U.S.C. § 119	•			
a)(Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priorical application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage		
Attachmen	• •	∆ ∏ (********	(DTO (40)		
2) U Notic 3) Infon	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate		

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DETAILED ACTION

Election/Restrictions

Applicant's election of Group I in the reply filed on 6/29/2007 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claims 7-11, 13 and 14 are withdrawn from consideration in view of the elected claims.

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by O'Lenick (US 6,346,595).

Regarding claim 1: O'Lenick teaches trimethylsilyl and trimethylsiloxyl endstopped polysiloxanes can be co-polymerized with UV absorbing, lipophilic, and hydrophilic groups producing novel polymeric sunscreen agents having a general structure shown in the formula (col. 3, lines 55-65). Specifically, the UV absorber employed is eugenol (col. 4, lines 1-5), a lipophilic constituent consisting of a linear alkyl group between C₁₁ and C₂₁ carbons (col. 4, line 14), and a hydrophilic moiety of alkoxylated alcohols (col. 4, lines 16-18).

Regarding claim 2: O'Lenick teaches the number of UV absorbing siloxane units is between 1 and 20 (col. 4, line 11).

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Regarding claim 3: O'lenick teaches a polymer whereby there are no units containing a hydrophilic group, i.e. c=0 (col. 4, lines 25 and 26).

Regarding claim 4: The claim is rejected since the presence of the structural feature is optional in the independent claim.

Regarding claim 5: O'Lenick teaches the use of a single species, eugenol, as the UV absorbing component of the polymer (col. 4, lines 20-21).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

O'Lenick teaches the basic claimed composition as set forth above.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over O'Lenick (US 6,346,595) as applied to claim 1-5 above, and further in view of Gonzenbach et.al (US 6,123,929).

Regarding claim 6: O'Lenick does not teach two different UV absorbing species in the same molecule. However, Gonzenbach teaches that two different UV absorbing species can be bonded to a molecule of polymer using the same hydrosilation chemistry (col. 8, Example 2). O'Lenick and Gonzenbach are analogous art since they both are from the same field of endeavor, namely polymeric sunscreen agents. One of ordinary skill in the art at the time the invention was made would have been

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motivated to incorporate different UV absorbing species into the polymer to achieve optimal wavelengths ranges.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas Matochik whose telephone number is 571-270-3291. The examiner can normally be reached on Monday-Friday 7:30 AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Eashoo can be reached on 571-272-1197. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

7/36/2007

MARK EASHOO, PH.D.
SUPERVISORY PATENT EXAMINER

02/ Aug 167